

UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 35789/241825 (5789-3A)

First Inventor or Application Identifier: Craig

Title of Invention: GAIN OF FUNCTION MUTATIONS IN ATP-DEPENDENT TRANSPOSITION PROTEINS

Express Mail Label No. EL868637778US

ADDRESS TO: BOX PATENT APPLICATION
COMMISSIONER FOR PATENTS
WASHINGTON, DC 20231

Transmitted herewith for filing in the United States Patent Office is a patent application for:

Inventors: Nancy L. Craig

Assignee of this invention is Johns Hopkins University School of Medicine

1. ☒ The Filing Fee has been calculated as shown below:
2. ☒ Applicant claims Small Entity Status. See 37 CFR 1.27.

	No. Filed	No. Extra	Small Entity Rate Fee 1	Large Entity Rate Fee 0
BASIC FEE			\$370	\$0
TOTAL CLAIMS:	25 - 20 =	5	X 9 = \$45	x 18 = \$0
INDEP CLAIMS:	5 - 3 =	2	X 42 = \$84	x 84 = \$0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED			+140 = \$	+280 = \$
*If the difference in Column 1 is less than zero, enter "0" in Column 2.			TOTAL \$499.00	TOTAL \$

The Commissioner is hereby authorized to credit overpayments or charge the following fees to Deposit Acct. No.

- a. ☐ Fees required under 37 CFR 1.16 (National filing fees).
- b. ☐ Fees required under 37 CFR 1.17 (National application processing fees).

☒ A check in the amount of \$499.00 for the filing fee is enclosed.

☐ The above filing fee will be paid along with Applicant(s) Response to the Notice to File Missing Parts.

3. ☒ Specification; Total Pages 115
4. ☒ 27 Sheets of Drawing(s) (35 USC 113)
5. ☒ Declaration and Power of Attorney; [Total Pages]
- a. ☐ Newly executed (original or copy)
- b. ☒ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
- i. ☐ DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) & 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76
7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Copy (CRF)
 - b. ☒ Request for Transfer of Computer Readable Form of Sequence Listing under 37 CFR § 1.821(e) and MPEP 2422.05 (must be compliant with new rules)
 - c. ☒ Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☒ Paper (24 Pages)
 - d. ☒ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- 9. ☐ Assignment Papers (cover sheet & document(s) (including a check for the \$40.00 fee)
- 10. ☐ 37 CFR 3.73(b) Statement (*when there is an assignee*); ☐ Power of Attorney
- 11. ☐ English Translation Document (*if applicable*)
- 12. ☒ Information Disclosure Statement (IDS)/PTO-1449
- 13. ☐ Preliminary Amendment
- 14. ☒ Return Receipt Postcard (MPEP 503) (*Should be specifically itemized*)
- 15. ☐ Certified Copy of Priority Document(s) (*if foreign priority is claimed*)
☐ Foreign Priority is claimed as Application No. , filed
- 16. ☐ Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i).
Applicant **must** attach form PTO/SB35 or its equivalent.
- 17. ☐ Request for Early Publication Under 37 CFR § 1.219. Fee of \$300.00 is enclosed.
- 18. **If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:**
 - ☒ Continuation ☐ Divisional ☐ Continuation in Part (CIP)

of prior Application No: 09/027,169; Filed Februray 20, 1998

Prior Application Information: Examiner Yucel Group/Art Unit: 1636

For CONTINUATION or DIVISONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. **CORRESPONDENCE ADDRESS** **CUSTOMER NUMBER 28986**

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Signature: Patricia L. Chisholm

Attorney/Agent of Record: Patricia L. Chisholm

Attorney/Agent Registration No. 45,822

"Express Mail" mailing label number EL868637778US

Date of Deposit December 19, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Box Patent Application, Commissioner For Patents, Washington, DC 20231.

Pamela Lockley
Pamela Lockley
RTA01/2108785v1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:	Craig	Group Art Unit:	Not assigned
Appl. No.:	To be Assigned	Examiner:	Not assigned
Filed:	Filed Concurrently Herewith		
For:	GAIN OF FUNCTION MUTATIONS IN ATP-DEPENDENT TRANSPOSITION PROTEINS		

December 19, 2001

**REQUEST FOR TRANSFER OF COMPUTER READABLE FORM OF SEQUENCE
LISTING UNDER 37 CFR §1.821(e) AND MPEP 2422.05**


Box Patent Application
Commissioner for Patents
Washington, DC 20231

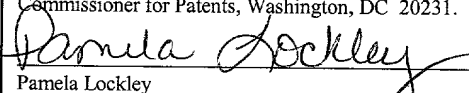
Sir:

Applicants hereby request transfer of previously filed sequence information into the above-mentioned application, concurrently filed herewith.

I hereby state that the paper copy of the sequence listing included in the specification of the above-mentioned application is identical to the computer-readable copy of the sequence listing filed in U.S. Application No. 09/027,169, filed on February 20, 1998. In accordance with 37 CFR §1.821(e) and MPEP 2422.05, please use the last-filed computer-readable form filed in that application as the computer-readable form for the above-mentioned application. It is understood that the Patent and Trademark Office will make the necessary change in application number and filing date for the present application.

Respectfully submitted,


Patricia L. Chisholm
Attorney/Agent for Applicant
Registration No. 45,822

<p>Customer No. 28986 New England BioLabs Inc. 32 Tozer Road Beverly, MA 01915 Tel (978) 927-5054 Fax (978) 921-1350</p>	<p>"Express Mail" Mailing Label Number EL868637778US Date of Deposit: December 19, 2001 I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Box Patent Application, Commissioner for Patents, Washington, DC 20231.  Pamela Lockley</p>
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